Table of Contents

Safety and initial setup 5
Handset information 5
Battery information 5
Initial Setup 7
Cleaning the C4050 handset 8
C4050 Handset features 8
Handset keys 9
Display screen 10
LED light-ring 10
Volume control 10
Keypad 10
Using the C4050 handset 10
Make a call 10
End a call 11
Receive a call 11
Mute a call 11
Reject a call 11
Inquiry call 11
Conference call 11
Transfer a call 12
Voicemail Message 12
Speaker Phone 12
Access Meridian PBX features 12
TelBook 13
Caller List 16
Redial list 16
Quick Call (Speed Dial) 17
Using Menu features and options 18
Display Menu list 18
Menu Shortcuts 19

Key Lock 20
Caller list 20
Ringer Settings 20
Caller Filter 21
Telephone Options 24
System Settings 26
Security 26
Accessory information 27
Data Charger 27
Accessories 28
Charger rack 29
Headset 29

Safety and initial setup

Handset information

Read the following information before you use the handset.

Make sure the adapter voltage is the same as the electrical outlet voltage.

The C4050 handset uses radio signals and does not guarantee a connection in all circumstances. Do not rely on a cordless telephone to make emergency calls.

Never use your handset:

- in the vicinity of electrical detonators
- in shielded rooms
- in areas where radio transmission is forbidden
- in aircraft

Do not place a handset near:

- water, moisture or damp areas
- heat sources, direct sunlight or unventilated areas
- devices which generate strong magnetic fields such as electrical appliances, fluorescent lamps, computers, radios, televisions or fax machines
- areas where the handset can be covered, its ventilation impaired, liquid spilled on the unit or objects inserted into the handset through any openings
- areas with dust, vibration, shock or temperature extremes

Check for small metal objects in the C4050 handset earpiece/mouthpiece before using the handset.
Do not store or locate flammable liquids, gases, or explosive materials in the same compartment or vicinity as the cordless handset, its parts or accessories.

Battery information

Read the following information before you handle the batteries.

- do not replace the batteries in potentially explosive environments, such as rooms where flammable liquids or gases are present
- do not charge the batteries unless you use the supplied charger and the proper batteries

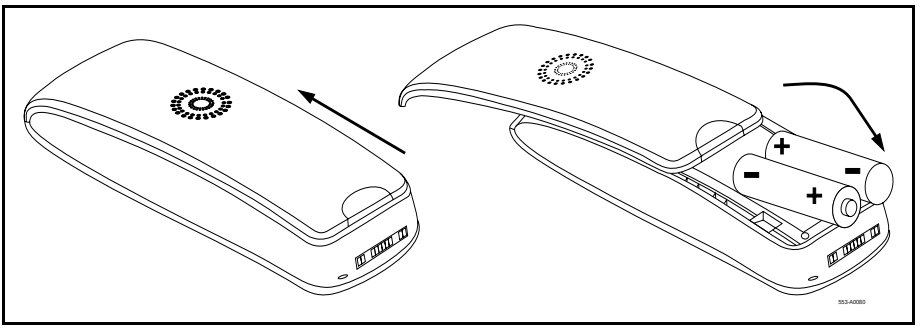
- do not let the battery or the charger come into contact with conductive metal objects
- do not dispose of the batteries in a fire

Battery installation

The C4050 handset uses two NiMH (Nickel-Metal Hydride) rechargeable AAA 650 mAh batteries.

Do not use disposable AAA 1.5 V batteries.

Battery replacement



Slide the back cover of the handset upwards to insert or remove batteries.

Battery charging

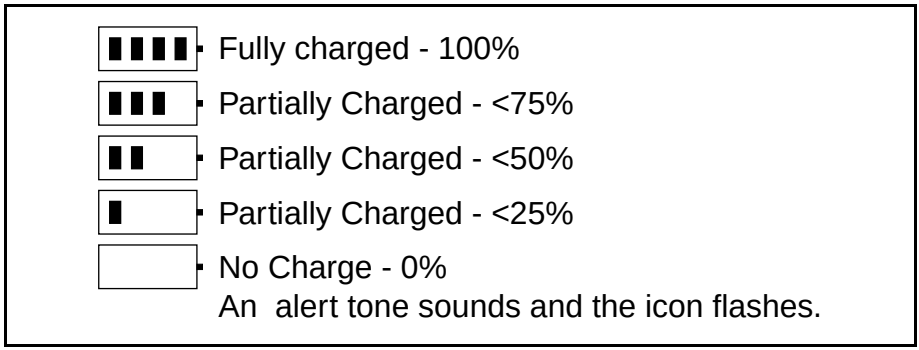
Comply with the following:

- charge the battery for at least eight hours before using the handset for the first time
- charge the handset on a regular basis
- do not leave the handset connected to the charger longer than one month without using

A fully charged handset, when switched off, discharges in approximately one week.

The handset display screen shows the batteries charge status.

Battery status


Fully charged - 100%
Partially Charged - <75%
Partially Charged - <50%
Partially Charged - <25%
No Charge - 0%
An alert tone sounds and the icon flashes.

When the batteries are replaced, the battery status does not appear on the display screen until the replaced batteries are charged.

When ten minutes of battery stand by time remains, the handset emits three short beeps.

Initial Setup

Plug the charger into the electrical outlet.

Place the handset in the charger.

The handset display shows "**Charging**", and the LED light-ring is green when the handset is in the charger. When the handset is fully charged, the LED light-ring turns off.

Before the handset is charged, the handset operates with the speaker phone feature when placed in the charger.

Cleaning the C4050 handset

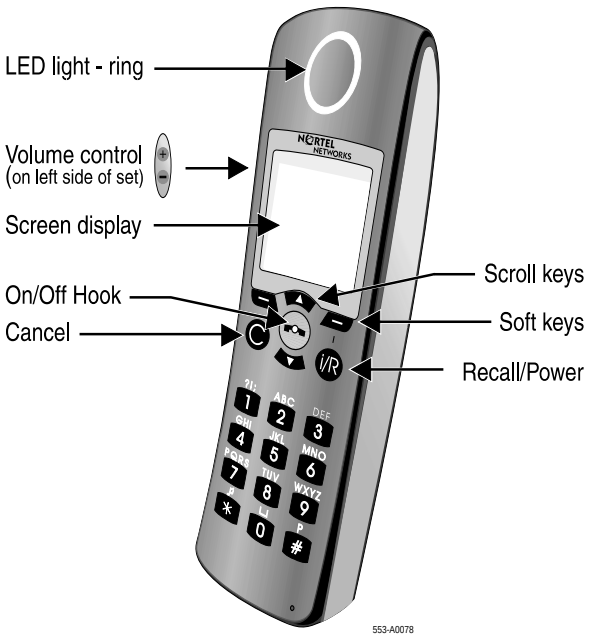
When cleaning the handset and charger, disconnect the charger from the electrical outlet.

Wipe the handset and charger using an anti-static cloth, or a slightly moistened soft chamois leather. Dry with a soft cloth.

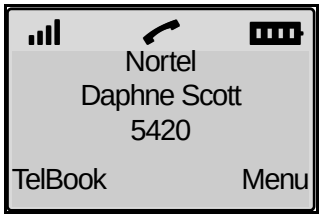
Clean the charging contacts on the handset and charger with a lint-free cloth.

Caution **!**	Never use cleaning agents or solvents on the handset or charger.

C4050 Handset features



Handset display screen



Icon line
Text line 1 - System Name
Text line 2 - User Name
Text line 3 - handset extension number
Softkey line

The icon line shows the active menu item.

The three text lines display menu lists and text, or information about the current connection status.

The Icon line uses symbols that show the current status of the handset as follows:

	Ringer deactivated
	Caller Filter activated
	Good radio link - at least two bars showing Degraded radio link - left bar flashing
	Handset off-hook
	Voicemail message
	Charge status of batteries
	Keypad locked
	Volume level indicator

Handset keys

Use to activate the features and actions displayed on the softkey line of the display screen.

Use to scroll through feature lists and the redial list. Press for two seconds to turn the handset power on or off.

Press to edit a character or an entry.

Display screen

The display screen back-light activates when there is an incoming call, or if a key is pressed. The light switches off after 10 seconds.

LED light-ring

The LED light-ring turns red to indicate an incoming call. The LED light-ring turns green when the handset is charging.

Volume control

Press the **+/–** buttons on the side of the handset to increase or decrease the volume of the speakerphone, the volume of the handset earpiece, or the volume of the headset earpiece.

When the minimum or maximum volume is reached, the handset beeps.

The icon increases or decreases in size as the volume increases or decreases.

Keypad

Use the keypad to enter the number.

Using the C4050 handset

The handset must be subscribed to make a call. Contact your System Administrator to have your handset subscribed.

Make a call

Pre-dialing is the preferred method for making a call: dial the number and press .

Another method is to press and dial the number.

End a call

Press .

Receive a call

The handset indicates an incoming call by:

- an audible signal (ringing or music)
- a red light from the LED light-ring
- vibrating (if this option is on)
- displaying an incoming caller's name or number

Press the key to answer an incoming call.

Press any key, except the hook key or softkeys , to stop the audible signal or the vibrator, without answering the call.

Mute a call

Press the **Mute** softkey to mute a call.

Press the **Unmute** softkey to activate the handset.

Reject a call

Press the **Reject** softkey to reject a call.

Inquiry call

Press to put the call on hold. Dial the inquiry number. After completing the inquiry call, wait for the inquiry party to disconnect. The handset automatically re-connects to the call on hold.

Conference call

Press to put the call on hold. Dial the conference number. When the conference party answers, press to enable the call on hold to join the conference.

Transfer a call

Press R to put the call on hold. Dial the transfer number. Press R to transfer the call. Press ☎ to disconnect from the call before or after the transferred party has answered.

Voicemail Message

If there is a message in your voice mailbox, the voice mail icon ∞ flashes on the display screen.

For easy access to your mailbox, program one of the Quick Call keys to your mailbox number. See “Quick Call (Speed Dial)” on page 19 for details.

Speaker Phone

The C4050 handset includes a handsfree feature. There are three ways to activate the handsfree feature:

- press the ☎ key for 2 seconds when the handset rings
- press the ☎ key for 2 seconds while on a call
- press the **Options** softkey and select **Handsfree** while on a call

Do not cover the speaker or microphone.

Access Meridian PBX features

Enter the FFC and press ☎ to access the Meridian PBX features while the handset is idle.

Press R To access the Meridian PBX features during a call.

Flexible Feature Codes (FFC) — dial an FFC code to access some of your handset’s features.

Special Prefix Codes (SPRE) — dial a SPRE code plus a one or two digit number to access some of your handset’s features. The SPRE codes are unique to your system; however, the digits following the SPRE are fixed. For example, dial SPRE + 74 to call forward all your calls to another number.

Ask your System Administrator for the FFC or SPRE codes.

Use the following table to enter your FFC or SPRE codes for each feature.

Feature	FFC or SPRE +
Call forward - to activate	
Call forward - to cancel	
Call park - to park a call	
Call park - to retrieve a call	

Calling options

Make a call using one of the following options:

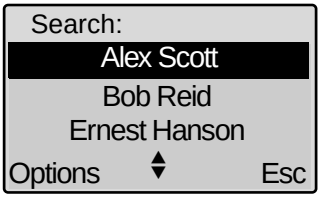
- keypad
- TelBook
- Caller list
- Re-dial list

TelBook

The **TelBook** can store up to 100 entries alphabetically. Each entry can have up to 16 characters in the name, and up to 32 digits in the number. A number cannot be stored without a name.

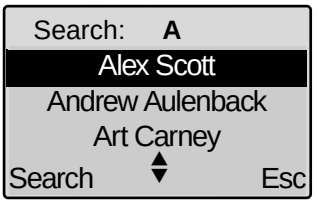
A name can only be entered once. The same telephone number can be stored under different names. A dashed line marks the beginning and end of the **TelBook** list.

TelBook calls – Make a call using the Telbook.



Press the **TelBook** softkey.
The display shows the first three names.
Press the **Options** softkey.
Press the **Search** softkey to search the directory.
Press to dial the highlighted name.
Press the **Next** softkey to view more **TelBook** names.

Search – Press TelBook, then Options to access the following functions.



Press the **Search** soft key.
Enter a single letter, for example **A**, or several letters such as **ART**. See “Keypad table” on page 17.
Press to scroll through the list.
Press to dial the highlighted name.

Keypad alphabet equivalent – To enter a character, press a key from 0 to 9 as shown in the table.

For example, press the **4** key twice to enter the character **H**. Press the **7** key four times to enter the character **S**.

Keypad table

Key	1	2	3	4	5	6	7	8	9	10	11
0	0	space	@	$	&						
1	1	?	!	,	.	:	;	“	‘		
2	A	B	C	2	Ä	Å	À	Á	Ã	Æ	Ç
3	D	E	F	3	È	É	Ê	Ë			
4	G	H	I	4	ì	í	î	ï			
5	J	K	L	5							
6	M	N	O	6	Ñ	Ö	Ò	Ó	Ô	Õ	Ø
7	P	Q	R	S	7	ß					
8	T	U	V	8	Ü	Ù	Ú	Û			
9	W	X	Y	Z	9						
*	*	_	+	=	~	<	>	^	%		
#	#	(	)	{	}	[	]	/	\	_	

New

Press **New** and then press **OK**. Enter the phone number and press **OK**. Enter the name and press **OK**. Use ⇔ to move the cursor.

Delete Entry

Highlight the name. Press **Options**, then **Delete**. Press **OK** to confirm.

Edit Entry

Highlight the name. Press **Options**, then **Edit**. Press C to delete the last digit. Press and hold C to delete the entire number. Press **OK** when editing is finished. Press **Esc** to quit. Press and hold the **#** key to insert a pause. Use ⇔ to move the cursor from the beginning to the end of the number or name.

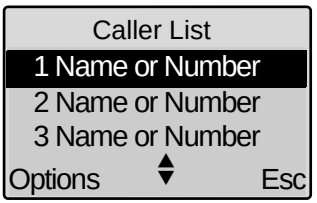
Delete All Entries

Press **Options**, then **Del.All.** When **“Sure?”** appears, press **OK** to confirm. Press **Esc** to quit.

Caller List

The **Caller List** displays the last 20 answered or unanswered callers (if Caller ID is sent). Multiple calls from the same phone number are only shown once.

Dialing from the Caller list



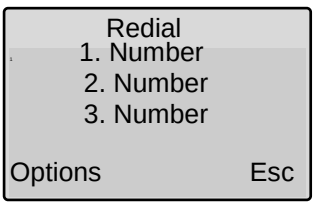
Press the **OK** soft key to view the **Caller List**.
Press **OK** to view the list of names and numbers and ⇕ to scroll through the list.
Press **Delete** and **OK** to delete the entry.
Press ☎ to dial the number.

Add a Caller list item to the TelBook.

Use the keypad to enter the name (see “Keypad table” on page 17**).** If the handset beeps, the name is already in the **TelBook**.

Redial list

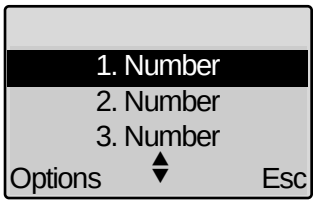
Dialing from the Redial list



Press ⇕ while the handset is idle to display the last 20 numbers dialed from the handset.
Press ⇕ again to scroll through the list.

Press ☎ to dial the highlighted name and number.
Press ⏻ to return to the main screen.

Add a Redial number to the TelBook



Highlight the number, and press the **Options** soft key.
Press the **Add to** soft key.
Press the **TelBook** soft key.
Enter a name.
Press the **OK** soft key.

Quick Call (Speed Dial)

Assign a Quick Call number

Highlight an entry in the **TelBook**

Select **Quick Call** from the **Options** menu.

Choose a digit from 1 to 9 as the **Quick Call** number, then press **OK**. The **TelBook** entry shows the assigned Quick Call number in front of the name.

Delete an associated **TelBook** entry to remove a **Quick Call** number.

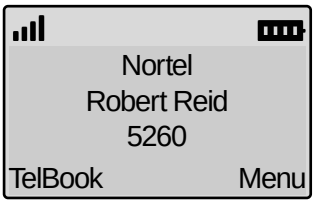
Use Quick Call

Press and hold the allocated **Quick Call** number key. Press to dial the number.

Using Menu features and options

To enter a highlighted or cursor line menu item, press the **OK** soft key. To return to the main menu, press the **ESC** soft key.

Display Menu list



Press the **Menu** soft key to access the following menu list:

- Key Lock
- Caller List
- Messages
- Ringer Settings
- Caller Filter
- System
- Telephone Option
- Security

Use to scroll through the **Menu** list.

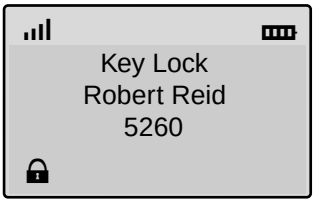
Menu Shortcuts

To use a Menu Shortcut on an idle handset, press one of the key combinations shown in the following table:.

Feature	Key	Description
Ringer on/off	i/R **1**	Switches the ringer off. 🔕 appears on the icon line.
	i/R **2**	Switches the ringer on
Silent Charging on/ off	i/R **3**	Switches **Silent Charging** on
	i/R **4**	Switches **Silent Charging** off
User Name	i/R **5**	Switches **User Name** function on to allow change of user name
Key Lock	i/R **6**	Activates **Key Lock**
Caller Filter on/off	i/R **7**	Switches **Caller Filter** on
	i/R **8**	Switches **Caller Filter** off

Key Lock

The **Key Lock** disables key input when the handset is in your pocket or on your belt.



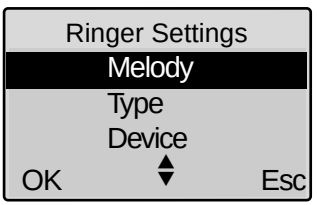
To enable Key Lock, press ⇕ until **Key Lock** is highlighted in the **Menu** list.
Press the **OK** softkey to enable **Key Lock**.
"**Key Lock**" is displayed on Text line 1. 🔒 appears on the Softkey line.
Calls can be answered when **Key Lock** is active. All keys can be used during the call. **Key Lock** is activated again when the call is terminated.
The keypad can also be locked by pressing **6**.

To disable **Key Lock**, press the left soft key under the **Key Lock** icon, then press #.

Caller list

See "Caller List" on page 18.

Ringer Settings



Scroll down the **Menu** list to **Ringer Settings**.
Press **OK** to see the following **Ringer Settings** menu:

- Melody
- Type
- Device
- Volume

Melody

There are four choices for **Melody**:

- **Internal -** not available
- **External -** all Meridian calls
- **Normal Message -** contact System Administrator to determine availability
- **Urgent Message -** contact System Administrator to determine availability

Type

There are three choices for the ringer type:

- **Full Melody -** Only external call melodies are available. There are 30 melody choices. Melodies 21-30 are a selection of national anthems.
- **Silence -** The ringer is turned off. The icon indicates the ringer is off. Select Melody or Chirp to re-activate the ringer.
- **Chirp -** A short alert sound.

Device

There are two menu choices for the ringer device:

- **Buzzer** On/Off - A ✓ indicates the alerter/ringer is on.
- **Vibrator** On/Off - A ✓ indicates the vibrator is on.

Highlight the item and press **OK.**

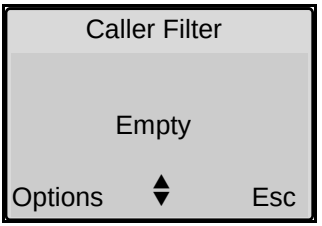
Volume

Set the ringer volume by entering a number between 1 and 7, or use .

Caller Filter

The **Caller Filter** blocks incoming calls when the calling number is stored in the **Caller Filter** list. The **Caller Filter** holds a maximum of 10 telephone numbers/names.

Activate Caller Filter



Press the **Menu** softkey. Press ☎ until **Caller Filter** is highlighted. Press the **OK** softkey. The screen shows **Empty**. Press the **Options** softkey.

Choose:

- New
- Filter Options

New

Select the **New** option to add a new number and name entry to the **Caller Filter**.

Note: A number cannot be stored without a name.

Filter Option

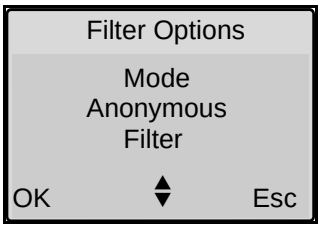
A ✓ indicates your choice of **Mode**, **Anonymous**, or **Filter**.

Mode - Receive or **Block** activates the **Caller Filter** to block calls from the stored number list.

Anonymous - Blocks calls where Caller ID is not given.

Filter - Activates or deactivates the **Filter**. When the filter is active, Y is

shown on the icon line of the handset display screen.



Press ⇕ until **Mode** is highlighted. Press the **OK** softkey. Press ⇕ to highlight **Receive** or **Block.** Press the **OK** softkey.

Press ⇕ until **Anonymous** is highlighted. Press the **OK** softkey. Press ⇕ to highlight **Receive** or **Block.** Press the **OK** softkey

Press ⇕ until **Filter** is highlighted. Press the **OK** softkey.

New, Edit, Delete, Delete All

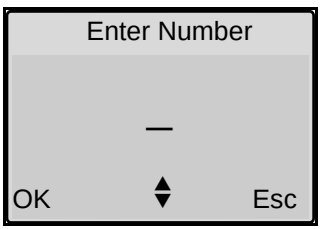
New adds another number and name entry.

Edit allows editing digits or characters in a number and name entry.

Delete allows the deletion of a number and name entry.

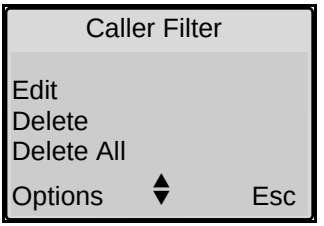
Delete All allows the deletion of all number and name entries in the **Caller Filter**

New



Press ⇕ until **Caller Filter** is highlighted. Press the **OK** softkey. Press the **Options** softkey**.** Press the **OK** softkey. Enter the number. Press the **OK** softkey. Enter the name. Press the **OK** softkey.

Edit, Delete, Delete All



Press ⇕ until **Edit** is highlighted. Press the **OK** softkey. Use ⇕ to move the cursor to the number, and press **Edit**. Use ◉ to delete digits or characters. Press the **OK** softkey.

Press ⇕ until **Delete** is highlighted. Press the **OK** softkey. The screen shows **Sure?** Press the **OK** softkey.

Delete All as **Delete** above.

Wild Cards

The wild card ***** filters specific number ranges. Enter **0*** to filter all external calls. Enter **00*** to filter all international calls.

Note: In some cases, the PBX adds extra #'s.

Transfer a number to Caller Filter

You can transfer numbers in the **Caller List**, **Redial List** and the **TelBook** to the **Caller Filter**.

Press **Caller Filter**, then press **OK**.

Enter a name for the number, and press **OK**. Press **Esc** to cancel the entry.

To select a number in these lists, press the **Options** soft key.

Telephone Options

The following functions are activated in **Telephone Options**:

- Key click
- Message options
- Auto answer
- Charger answer
- User name
- Language

- Coverage warning
- Silent charging

Use ☎ to scroll through the **Menu** list.

Key Click

To activate the **Key Click** beep, press **OK.** A ✓ indicates the **Key Click** is activated.

To deactivate the **Key Click** beep, press **OK**.

Message Options - not available at this time

Auto Answer

The **Auto Answer** feature answers an incoming call after one ring.

Auto Answer in the icon line indicates that the feature is on. **Auto Answer** is only used with a headset.

Press **OK.** A ✓ indicates the feature is active.

Charger Answer

If active, an incoming call to a handset in the charger can only be answered by removing the handset from the charger. Place the handset back in the charger to end the call.

To activate **Charger Answer**, press **OK.** A ✓ indicates the feature is active.

User Name

The **User Name** feature displays a name on an idle display screen. The **User Name** can contain up to a maximum of 16 characters.

To enter the User Name, press **OK**. Enter the User Name characters (see “Keypad table” on page 17**)**. Press **OK**.

Language

The **Language** feature sets the display in one of ten languages. English is the default language.

Press ☎ to scroll through the language list.

Select the language and press **OK.**

Coverage Warning

The **Coverage Warning** feature causes the handset to emit four beeps when the handset moves out of radio range. The left bar of the radio link icon flashes.

Press **OK** to activate the **Coverage Warning**. A ✓ indicates the **Coverage Warning** is activated.

Silent Charging

The handset cannot make calls, receive calls or receive messages while it is Silent Charging. The top line of the screen display shows "**Silent Charging**" while the handset is in the charger.

Press **OK** to activate **Silent Charging.** A ✓ indicates that **Silent Charging** is activated.

System Settings

For information on System Settings, contact your System Administrator.

Security

Security allows you to **Read Only**, **Change PIN**, and **Reset** the handset. Enter your four digit PIN code to access the **Security** functions.

Read Only

If **Read Only** is activated, all menu features can be activated, but the settings cannot be changed.

Press **OK** to activate **Read Only**. A ✓ indicates that **Read Only** is active.

Change PIN

To change the PIN code, press **OK**. Enter the old PIN code. Enter the new PIN code. Enter the new PIN code again and press **OK**.

The PIN code default factory setting is 0000.

Reset Handset

All functions, with the exception of the **TelBook**, the PIN code, and system subscriptions, reset to the default settings.

Accessory information

Data Charger

Use a Data Charger and a C4050 software CD to enter or edit names and numbers in the **TelBook** and **Call Filter** from a personal computer.

IBM compatible PC

The following are minimum PC requirements:

- Pentium 133 MHz or higher processor
- minimum 16 MB RAM
- Microsoft Windows 95/98/NT/ME/2000
- CD-ROM drive

C4050 software CD

The software CD contains two applications:

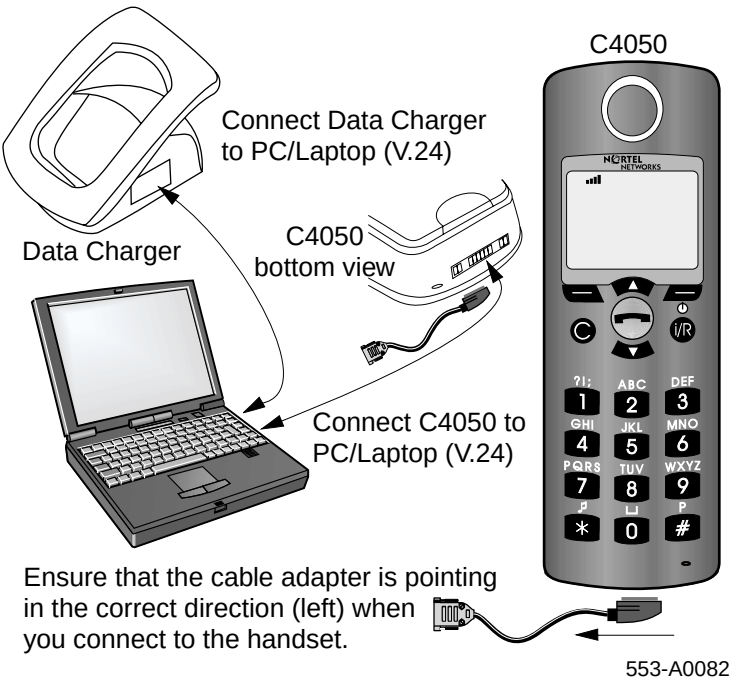
- Telephony Application Programmer's Interface (TAPI) – a standardized interface that enables remote control of the C4050 handset
- Configuration – used to configure the C4050 handset from the PC

PC connection

Use the data cable to connect the COM port (V.24 port) of the PC to one of the following:

- the port on the data charger
- the port on the bottom of the handset

Data charger connections



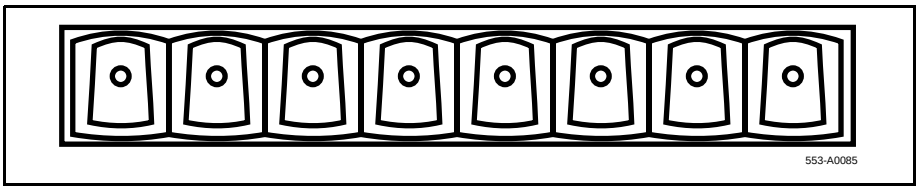
Accessories

Contact your System Administrator to order the following accessories:

- 8-unit charging rack
- AC Adapter for 8-unit charging rack
- headset
- belt clip
- Data charger
- replacement batteries

Charger rack

Charge up to eight handsets in the charger rack.



Headset

Plug the headset adapter into the bottom of the handset.

Use the headset, belt clip, and **Auto Answer** with the C4050 handset to provide optimal hands-free telephone use.